

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A fluid dispenser head for associating with a fluid reservoir (1), said head comprising: a stationary base (2) formed by, or for mounting on, said reservoir; a rotary actuator element (3) mounted in rotary manner on the base (2) so as to turn about an axis of rotation between two extreme abutment positions; and a dispenser orifice (30) that can be closed selectively by turning the element on the base, the dispenser orifice (30) being situated on the axis of rotation of the element on the base, the two extreme abutment positions defining two open positions of the dispenser orifice separated by at least one position in which the dispenser orifice is closed, the dispenser head ~~being characterized in that it comprises~~ comprising axial displacement means (221, 321) ~~that are capable of~~ for axially displacing the element (3) relative to the base (2) while ~~it is~~ turning on the base, the axial displacement means comprising at least one guide path (221) presenting two sections (2211, 2212) that are connected together at a low point (2210), each of the two sections defining a respective extreme abutment (2213, 2214), the two extreme abutments respectively corresponding to the two open positions, and the low point corresponding to the closed position, and ~~said~~ the two sections having slopes presenting inclinations ~~and/or or~~ lengths that are different so that the two sections are non-symmetrical with respect to the low point.

2. (original): A dispenser head according to claim 1, in which the base forms at least one axial, rotary guide window (221) that extends over a fraction of the periphery of the base, said window defining the guide path, said window forming two connected-together window sections (2211, 2212), a first section defining a first slope, and the second section (2212) defining a second slope that is different from the first slope, each section defining an abutment end (2213, 2214), the abutment ends being offset axially, the actuator element including at least one axial, rotary guide lug (321) engaged in said window, so that while the actuator element is being turned on the base, said at least one lug is displaced in its respective window, thereby displacing the actuator element (3) axially, so as to reach different heights depending on whether the lug is in abutment against the first section or against the second section.

3. (previously presented): A dispenser head according to claim 1, in which the base (2) includes a ring (22) formed with a plurality of axial, rotary guide windows (221) distributed over the periphery of the ring, the element (3) including a skirt (32) that extends around the ring, and that, on its inside, forms a plurality of axial, rotary guide lugs (321) that are engaged in respective windows.

4. (currently amended): A dispenser head according to claim 1, further comprising flowrate-varying means (20) ~~making it possible to vary~~ for varying, from one open position to the other, the rate at which the fluid flows through the dispenser orifice.

5. (currently amended): A dispenser head according to claim 1, in which the actuator element (3) forms the dispenser orifice (30), and the base (2) forms a closure pin (20), which, in the closed

position, is engaged in the dispenser orifice, and in the open positions, is disengaged from the orifice by different amounts, so that the flowrates through the orifice are different in the two open positions.

6. (original): A dispenser head according to claim 5, in which the actuator element (3) includes axial guide means (36) engaged around the pin (20), so that the pin is slidably mounted in said axial guide means, said guide means extending downwards from the periphery of the dispenser orifice, said guide means forming a plurality of slots (363) of sizes that vary as a function of the position of the pin in the axial guide means.

7. (original): A dispenser head according to claim 6, in which the axial guide means comprise a plurality of tabs (361) that extend downwards from the outer periphery of the dispenser orifice, said tabs being connected together by a scraper (362) that is slidably engaged around the pin.

8. (previously presented): A dispenser head according to claim 5, in which the base (2) includes an inner sleeve (21) inside which the pin (20) extends, the actuator element includes a cover (31, 32) disposed on the sleeve and forming the dispenser orifice (30), said cover including an annular lip (33) in leaktight, rotary sliding contact with said sleeve (21).

9. (previously presented): A dispenser head according to claim 1, in which the actuator element (3) includes a detachable safety tab (35) that is blocked by the base (2), so that, in the closed position, the actuator element is prevented from turning on the base.

10. (previously presented): A dispenser head according to claim 1, in which the two extreme open positions are separated by at least one intermediate, fixed open position.

11. (new): A fluid dispenser head for associating with a fluid reservoir, the head comprising:

a stationary base formed by, or for mounting on, the reservoir;

a rotary actuator element mounted in rotary manner on the base so as to turn about an axis of rotation between two extreme abutment positions;

a dispenser orifice closable by turning the rotary actuator element on the base, the dispenser orifice situated on the axis of rotation of the rotary actuator element on the base, the two extreme abutment positions defining two open positions of the dispenser orifice separated by at least one closed position in which the dispenser orifice is closed; and

an opening in the base defining a guide path for a lug on the rotary actuator element so that when the rotary actuator is turned, the rotary actuator is axially displaced relative to the base;

the guide path comprising at least two inclined sections connected by an intermediate section that contains the low point of the guide path, each of the two inclined sections defining a respective one of the two extreme abutment positions, and the low point corresponding to the closed position;

the two inclined sections are non-symmetrical with respect to the low point of the guide path.

12. (new): The dispenser head according to claim 11, wherein the actuator element forms the dispenser orifice, and the base forms a closure pin, which, in the closed position, is engaged in

the dispenser orifice, and in the open positions, is disengaged from the orifice by different amounts depending on the position of the lug in the guide path so that the flowrates through the orifice differ.

13. (new): The dispenser head according to claim 12, wherein the actuator element comprises an axial guide engaged around the pin, so that the pin is slidably mounted in the axial guide, the axial extending downwards from a periphery of the dispenser orifice, the axial guide comprising a plurality of slots defining openings that vary as a function of the position of the pin in the axial guide.

14. (new): The dispenser head according to claim 13, wherein the axial guide comprise a plurality of tabs that extend downwards from the outer periphery of the dispenser orifice, the tabs connected together by a scraper that is slidably engaged around the pin.

15. (new): The dispenser head according to claim 12, wherein the base comprises an inner sleeve inside which the pin extends, the actuator element comprises a cover disposed on the sleeve and forming the dispenser orifice, the cover comprising an annular lip in leaktight, rotary sliding contact with the sleeve.

16. (new): The dispenser head according to claim 11, wherein the actuator element comprises a detachable safety tab that is blocked by the base, so that, in the closed position, the actuator element is prevented from turning on the base.

17. (new): The dispenser head according to claim 11, wherein the two inclined sections have slopes presenting inclinations or lengths that are different so that the two inclined sections are non-symmetrical with respect to the low point.

18. (new): The dispenser head according to claim 11, wherein the two inclined sections have slopes presenting inclinations that are different so that one of the two inclined sections slopes differently from the other of the two inclined sections.

19. (new): The dispenser head according to claim 11, wherein the two inclined sections have lengths that are different so that one of the two inclined sections is longer than the other of the two inclined sections.

20. (new): The dispenser head according to claim 11, wherein when the lug abuts one of the two extreme abutment positions the lug is at a height relative to the low point that is greater than a height of the lug relative to the low point when the lug abuts the other of the two extreme abutment positions.